

REMARKS

This paper is responsive to an Office Action dated October 07, 2004 which re-opened prosecution after an appeal brief was submitted by applicant. Claims 30-36 and 49-82, 89-106, and 113-123 are pending in the present application. The Examiner has allowed claims 63-82 and 97-102. Applicant has amended claims 30-36, 49, 54, 89, 93, 113, 118 and 119 in this response. No claims have been added or cancelled. Claims 30-36, 49-82, 89-106 and 113-123 are now pending. Applicant respectfully submits that the pending claims as amended are allowable.

The Examiner rejected claims 30-36, 49, 54, 58, 61, 62, 89, 93, 103, and 113-123 under 35 USC 102(b) as being anticipated by Yokoi et al (US 5,282,239) ("Yokoi"). Applicants respectfully submit that these claims as amended are allowable over the art cited.

Claim 30 as amended recites an apparatus comprising "a receiver configured to wirelessly receive a received signal" and a "transmitter configured to transmit a transmit signal corresponding to the received signal to a mobile unit while the transmitter has a motion relative to Earth along a predetermined path and in accordance with an anticipated motion of the mobile unit, wherein an actual motion of the mobile unit is independent of the motion of the transmitter." Applicant respectfully submits that Yokoi does not teach all of the limitations of this claim. For example, Yokoi does not teach an apparatus that comprises a receiver that wirelessly receives a received signal and transmits a corresponding transmit signal to a mobile unit. In Yokoi, "all of the base stations are coupled to by wires to a central switch". (Column 2, lines 59-60). Any signals transmitted from the base station in Yokoi do not correspond to wirelessly received signals. Accordingly, applicants respectfully submit that Yokoi does not show all of the limitations of claim 30 and that claim 30 is allowable.

Regarding claims 31-33, these claims depend from claim 30 which applicant respectfully submits is allowable. Accordingly, claims 31-33 are at least allowable as depending from an allowable base claim.

Further regarding claim 31, this claim recites that "the predetermined path has a contour corresponding to a roadway contour and the anticipated motion of the mobile unit is on the roadway". Applicant respectfully submits that this limitation is not shown or discussed in Yokoi.

The paths of the base stations in Yokoi are along elevator shafts in one embodiment and along rails in another embodiment. Nowhere in Yokoi is a discussion or showing that the base stations travel along a predetermined path that has a contour corresponding to a roadway contour.

Claim 34 recites “a receiver configured to receive a received signal from a mobile unit while the receiver has a motion relative to Earth along a predetermined path and in accordance with an anticipated motion of the mobile unit, wherein an actual motion of the mobile unit is independent of the motion of the receiver” and “a transmitter configured to wirelessly transmit a transmit signal corresponding to the received signal to at least one fixed port”. Applicant respectfully submits that Yokoi does not teach all of the limitations of this claim. For example, Yokoi does not teach that the base station wirelessly transmits a signal to a fixed port. As explained above, all of the base stations in Yokoi are connected to the central switch. Applicant respectfully submits that Yokoi does not show all of the elements of claim 34 and that this claim is allowable.

Claims 35 and 36 depend from claim 34 which applicant respectfully submits is allowable. Accordingly, claims 35 and 36 are at least allowable as depending from an allowable base claim.

Further regarding claim 35, this claim recites that “the predetermined path has a contour corresponding to a roadway contour and the anticipated motion of the mobile unit is on the roadway.” As explained above, the base stations in Yokoi travel along elevator shaft and along rails and do not travel along a path having a contour corresponding to a roadway contour.

As amended, claim 49 recites that the moving station is configured to establish a communication link between the mobile station and a fixed port, where the communication link comprises “a wireless communication link between the movable base station and the fixed port.” Applicant respectfully submits that this limitation is not shown in Yokoi. As discussed above, the base stations in Yokoi are connected to the central switch through wires. No wireless communication link exists between the movable base station and a fixed port in Yokoi. Accordingly, applicant respectfully submits that Yokoi does not show all of the elements of claim 49 and that claim 49 is allowable.

As amended, claim 54 recites a movable base station that comprises a "second wireless interface configured to establish a second wireless communication link between the movable base station and the fixed port." Applicant respectfully submits that this limitation is not shown in Yokoi. As discussed above, the base stations in Yokoi are connected to the central switch through wires. Accordingly, applicant respectfully submits that Yokoi does not show all of the elements of claim 54 and that claim 54 is allowable.

Regarding claim 61 and 62, these claims depend from claim 54 which applicant submits is allowable. Accordingly, claims 61 and 62 are at least allowable as depending from an allowable base claim. Further, claim 61 recites that the "predetermined path has a contour corresponding to a roadway contour and the anticipated motion of the mobile unit is on the roadway." As discussed above with reference to claims 31 and 35, Yokoi does not show this limitation.

Claim 89 as amended recites a method where a motion of a transmitter is controlled "along a predetermined path in accordance with the anticipated motion of the mobile unit, wherein the motion of the mobile unit is independent of the motion of the transmitter" and comprises the steps of "wirelessly receiving a received signal." Applicant respectfully submits that Yokoi does not teach all of the limitations of this claim. For example, Yokoi does not teach that the "wirelessly receiving a received signal". As explained above with reference to claims 30, 34, and 49, the base stations are connected to the central switch through wires.

As amended, claim 93 recites a method of wirelessly transmitting a transmit signal corresponding to a received signal comprising the steps of "receiving the received signal at the receiver" and wirelessly transmitting the transmit signal from a transmitter connected to the receiver". Applicant respectfully submits that Yokoi does not teach all of the limitations of this claim. For example, Yokoi does not teach "wirelessly transmitting the transmit signal". As discussed above, the Yokoi teaches to connect the base stations to the central switch using wires. Applicant respectfully submits that Yokoi does not show all of the elements of claim 93 and that this claim is allowable.

Claim 103 recites a method comprising the step of "simultaneously handing off the plurality of mobile units to a second fixed port of the plurality of ports." Applicant respectfully submits that Yokoi does not teach this limitation. Nowhere in Yokoi is a showing that a plurality

of mobile units are handed off simultaneously. Each portable cordless phone in Yokoi is handed off individually based on the quality of its communication link. (Col. 7, lines 57-61). Each portable cordless phone can be handed off between the fixed base station and moving-conveyance base station 10, between moving conveyance base stations 10 or between fixed base stations. In applicant's claim, the moving base station establishes wireless communication links between the mobile units and the moving base station and between the moving base station and a fixed port. The moving base station can simultaneously handoff the plurality of mobile stations from one fixed port to another by establishing a communication link with the other fixed port. In contrast, in Yokoi, several mobile units can not be handed off from one fixed port to another simultaneously. The portable cordless phones do not communicate to a fixed port through a moving base station. Applicants respectfully submit that Yokoi does not show all of the elements of claim 103 and that that this claim is allowable.

Claim 113 as amended recites a communication system comprising a first transceiver configured to provide a communication cell and "a second transceiver connected to the first transceiver and configured to wirelessly exchange signals with at least one fixed port corresponding to the communication cell." Applicant respectfully submits that Yokoi does not teach this limitation of this claim. As explained above, the moving-conveyance station is connected to the central switch through wires. Applicant respectfully submits that Yokoi does not show all of the elements of claim 113 and that this claim is allowable.

Claims 114-118 depend from claim 113 which applicant respectfully submits is allowable. Accordingly, claims 114-118 are at least allowable as depending from an allowable base claim.

Claim 119 recites a method where "wirelessly exchanging signals with at least one fixed port corresponding to the communication cell." Applicant respectfully submits that Yokoi does not teach this limitation of this claim. As explained above, the moving conveyance station is connected to the central switch through wires. Applicant respectfully submits that Yokoi does not show all of the elements of claim 119 and that this claim is allowable.

Claims 120-123 depend from claim 119 which applicant respectfully submits is allowable. Accordingly, claims 120-123 are at least allowable as depending from an allowable base claim.

Conclusion

Claims 30-36 and 49-82, 89-106, and 113-123 are pending in the present application. The Examiner has allowed claims 63-82 and 97-102. Applicant has amended claims 30-36, 49, 54, 89, 93, 113, 118 and 119 in this response. No claims have been added or cancelled. Claims 30-36, 49-82, 89-106 and 113-123 are now pending. Applicant respectfully submits that the pending claims are allowable and that the case is in a condition for allowance.

Respectfully submitted,
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